# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 NG125LMA, 2P, 10A, MA curve, 50kA (IEC/EN 60947-2)

18870

Discontinued on: 20 May 2021

Discontinued

## Main

| | |
|---|---|
| **Range** | Acti9 |
| **Product name** | Acti9 NG125LMA |
| **Product or component type** | Miniature circuit-breaker |
| **Device short name** | NG125LMA |
| **Device application** | Motor |
| **Poles description** | 2P |
| **Number of protected poles** | 2 |
| **[In] rated current** | 10 A at 40 °C |
| **Network type** | AC |
| **Trip unit technology** | Magnetic |
| **Curve code** | MA |
| **Breaking capacity** | 100 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>40 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>15 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| **Utilisation category** | Category A conforming to IEC 60947-2 |
| **Suitability for isolation** | Yes conforming to IEC 60947-2 |
| **Standards** | EN/IEC 60947-2 |

## Complementary

| | |
|---|---|
| **Network frequency** | 50/60 Hz |
| **[Ue] rated operational voltage** | 380...415 V AC 50/60 Hz<br>500 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>440 V AC 50/60 Hz |
| **Magnetic tripping limit** | 12 x In |
| **[Ics] rated service breaking capacity** | 75 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>37.5 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>30 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>11.25 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz |
| **[Ui] rated insulation voltage** | 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| **[Uimp] rated impulse withstand voltage** | 8 kV conforming to EN/IEC 60947-2 |
| **Contact position indicator** | Yes |
| **Control type** | Toggle<br>Manual tripping test |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Local signalling** | Trip indicator<br>ON/OFF indication |
| **Mounting mode** | Clip-on |
| **Mounting support** | 35 mm symmetrical DIN rail |
| **Comb busbar and distribution block compatibility** | YES |
| **9 mm pitches** | 6 |
| **Height** | 103 mm |
| **Depth** | 81 mm |
| **Width** | 54 mm |
| **Net weight** | 0.48 kg |
| **Mechanical durability** | 20000 cycles |
| **Electrical durability** | 10000 cycles |
| **Provision for padlocking** | Padlockable |
| **Locking options description** | Integrated padlocking |
| **Connections - terminals** | Tunnel type terminals1.5…50 mm² rigid<br>Tunnel type terminals1…35 mm² flexible |
| **Wire stripping length** | 20 mm |
| **Tightening torque** | 3.5 N.m |
| **Earth-leakage protection** | Separate block |

## Environment

| | |
|---|---|
| **IP degree of protection** | IP20 conforming to IEC 60529 |
| **IK degree of protection** | IK05 conforming to EN/IEC 62262 |
| **Pollution degree** | 3 conforming to IEC 60947-2 |
| **Overvoltage category** | IV |
| **Tropicalisation** | 2 conforming to IEC 60068-1 |
| **Relative humidity** | 95 % at 55 °C |
| **Operating altitude** | 2000 m |
| **Ambient air temperature for operation** | -30…70 °C |
| **Ambient air temperature for storage** | -40…70 °C |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 5.8 cm |
| **Package 1 Width** | 8.1 cm |
| **Package 1 Length** | 11 cm |
| **Package 1 Weight** | 485 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 6 |
| **Package 2 Height** | 9.1 cm |
| **Package 2 Width** | 11.9 cm |

| | |
|---|---|
| **Package 2 Length** | 36.1 cm |
| **Package 2 Weight** | 2.91 kg |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 36 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 17.947 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **6 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **3 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.1 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0.1 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **2 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.9 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **No** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **282497db-b1ca-4c71-962c-f8cda8e058bf** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| Halogen-free status | **Product contains halogen above thresholds** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **58** |
| End of life manual availability | **No need of specific recycling operations** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |